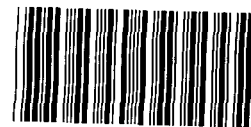




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SF FILE NUMBER

S-1,06

MEMORANDUM

TO: File

FROM: Muhammad Slam and Jason Knowlton

DATE: July 6, 1990

SUBJECT: Richardson Flat Site visits on June 7, and June 14, 1990

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Muhammad Slam and Jason Knowlton of the Utah Bureau of Solid and Hazardous Waste (UBSHW) conducted site visits to the Richardson Flat Tailings Pond in Summit County, Utah. The purpose of these visits was to determine if the potential for contaminant releases from the site to Silver Creek (surface water) exists. UBSHW personnel were accompanied by Edwin L. Osika and Kerry Gee of United Park City Mines during both visits. Weather on both days (June 7 and 14) was fair and warm (65-75°F) with moderate to strong winds. The following observations were made during the site visits.

1. DIVERSION DITCH AND CHANNEL FLOW INTO THE SILVER CREEK:

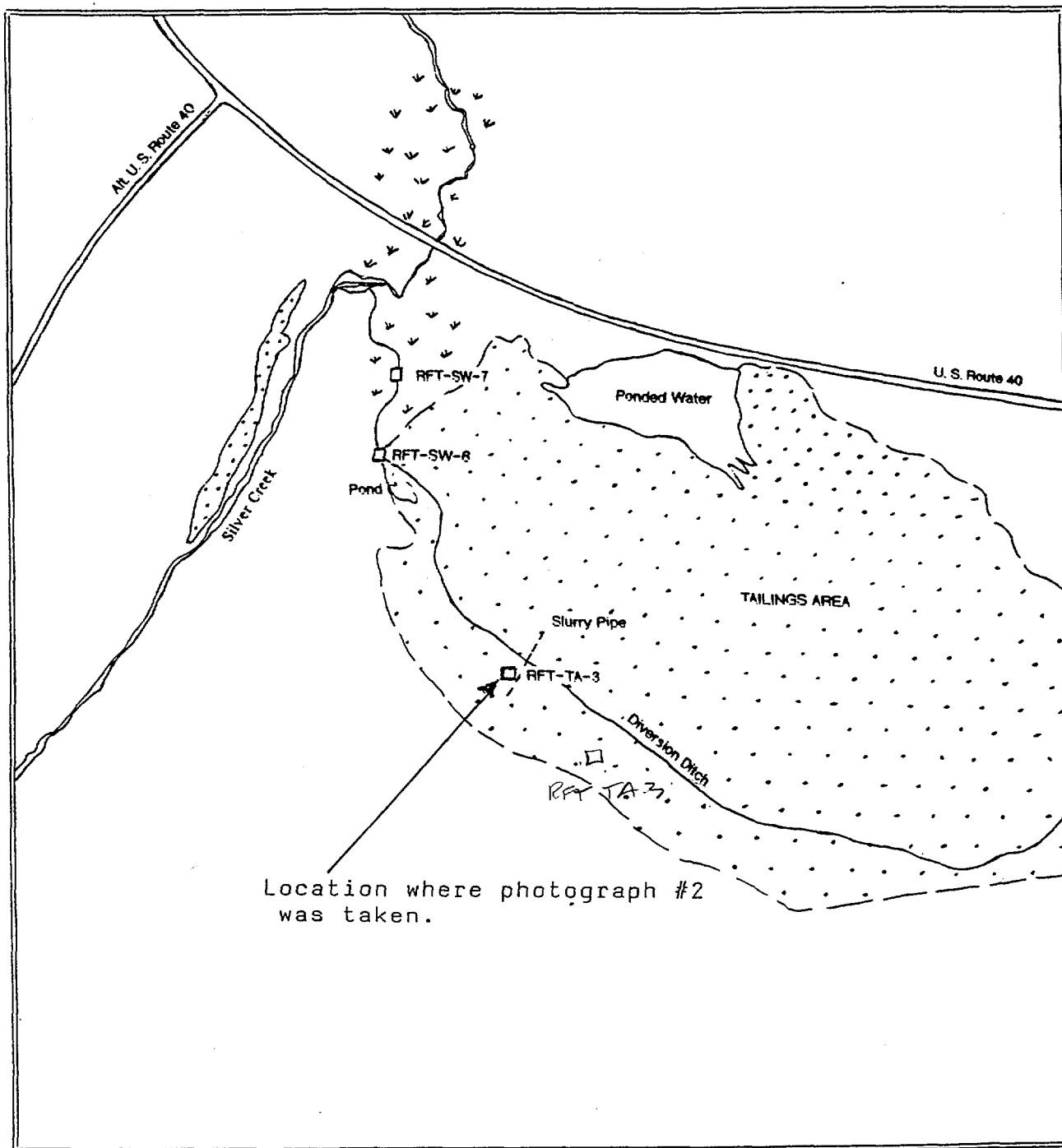
The diversion ditch flows near the Southern edge of the tailings pond from East to West. The diversion ditch originates as a draining ditch from the east of the tailings pond and flows towards the west until it reaches a small water pond (See Figure 1) where the RFT-SW-6 sample was collected by the FIT. The sloughing of tailings into the diversion ditch was observed at location where photograph #2 was taken. The diversion ditch comes in contact with the water pond and flows through a vegetated area to the North west until it drains into Silver Creek less than 50 feet south of U.S. Route 40. The diversion ditch is about 3-4 feet wide prior to the water pond. From the water pond to Silver Creek the diversion ditch channel narrows to about 12-18 inches. During the site visit on June 14, 1990 we followed the diversion ditch along the tailings pond towards the water pond (Figure 1). We also followed the diversion ditch from the pond through the vegetated area until it drains into Silver Creek. There is a continuous channel flow of the diversion ditch from the water pond to Silver Creek. Edwin L. Osika and Kerry Gee of United Park City Mines also observed this channel of the diversion ditch during the visit. Photographs were taken during the site visit to document the channel flow and are included in this report. A copy of each photograph was provided to Edwin L. Osika.

2. DISTANCE TO SILVER CREEK:

The distance from RFT-TA-3(Figure 1), where tailings were observed sloughing into the Diversion Ditch and where photograph #2 was taken, to Silver Creek is less than one mile.

3. SLOPE OF THE INTERVENING TERRAIN:

The slope of the intervening terrain from RFT-TA-3(Fig. 1) where tailings were observed sloughing into the diversion ditch and where photograph 2 was taken, to Silver Creek is approximately 3% (Figure 3).



600 0 600
Scale in feet



UTAH DEPT. OF HEALTH
Bureau of Solid and Hazardous Waste

FIGURE 1

by	date	SCALE
MAS	6/18/90	